

WHAT IS CLAIMED IS:

1. An electro-optical device comprising a plurality of pixels, disposed in the form of a matrix, including electro-optical devices driven by receiving electric power from an electric power supply circuit;

wherein said plurality of pixels make up a plurality of pixel groups formed of a series of pixels arrayed in at least one direction of the row direction and the column direction;

and wherein line forming regions are formed between adjacent pixel groups of said plurality of pixel groups;

and wherein said line forming regions are formed with generally the same width.

2. An electro-optical device comprising:

a plurality of scan lines;

a plurality of data lines;

a plurality of pixels, disposed at portions corresponding to intersections of said scan lines and said data lines, including electro-optical devices; and

a plurality of electric power lines for supplying driving voltage to said electro-optical devices;

wherein said plurality of pixels make up a plurality of pixel groups formed of a series of pixels arrayed in at least one direction of the row direction and the column direction;

and wherein a plurality of line forming regions are formed between adjacent pixel groups of said plurality of pixel groups;

and wherein at least two lines selected from at least one electric power line of said plurality of electric power lines, at least one scan line of said plurality of scan lines, and at least one data line of said plurality of data lines, are formed in at least one line forming region of said plurality of line forming regions.

3. An electro-optical device comprising:

a plurality of scan lines;

a plurality of data lines;

a plurality of pixels, disposed at portions corresponding to intersections of said scan lines and said data lines, including electro-optical devices; and

a plurality of electric power lines for supplying driving voltage to said electro-optical devices;

wherein said plurality of pixels make up a plurality of pixel groups formed of a series of pixels arrayed in at least one direction of the row direction and the column direction;

and wherein a plurality of line forming regions are formed between adjacent pixel groups of said plurality of pixel groups;

and wherein both at least one electric power line of said plurality of electric power lines and at least one scan line of said plurality of scan lines are formed in at least one line forming region of said plurality of line forming regions.

4. An electro-optical device comprising:

a plurality of scan lines;

a plurality of data lines;

a plurality of pixels, disposed at portions corresponding to intersections of said scan lines and said data lines, including electro-optical devices; and

a plurality of electric power lines for supplying driving voltage to said electro-optical devices;

wherein said plurality of pixels make up a plurality of pixel groups formed of a series of pixels arrayed in at least one direction of the row direction and the column direction;

and wherein a plurality of line forming regions are formed between adjacent pixel groups of said plurality of pixel groups;

and wherein both at least one electric power line of said plurality of electric power lines and at least one data line of said plurality of data lines are formed in at least one line forming region of said plurality of line forming regions.

5. An electro-optical device according to Claim 2, wherein said line forming regions are formed with generally the same width.

6. An electro-optical device according to Claim 1, wherein said electro-optical devices are operated with each different driving voltages;

and wherein said electric power lines for supplying voltage to said electro-optical devices are formed with different widths corresponding to said driving voltage.

7. An electro-optical device according to Claim 6, wherein said electro-optical device is a light-emission device;

and wherein said electric power lines are formed with different widths corresponding to the emission light color of said light-emission device.

8. An electro-optical device according to Claim 7, wherein said color of the light which is to be emitted is red, green, or blue.

9. An electro-optical device according to Claim 1, wherein said electro-optical device is an electro-luminescence device.

10. An electronic apparatus comprising an electro-optical device according to

Claim 1.

11. A matrix substrate comprising a plurality of pixel electrodes disposed in the form of a matrix;

wherein said plurality of pixel electrodes make up a plurality of pixel electrode groups formed of a series of pixel electrodes arrayed in at least one direction of the row direction and the column direction;

and wherein a plurality of line forming regions are formed between adjacent pixel electrode groups of said plurality of pixel electrode groups;

and wherein said line forming regions are formed with generally the same width.

12. A matrix substrate comprising:

a plurality of scan lines;

a plurality of data lines;

a plurality of pixel electrodes disposed at portions corresponding to intersections of said scan lines and said data lines; and

a plurality of electric power lines for supplying voltage to said plurality of pixel electrodes;

wherein said plurality of pixel electrodes make up a plurality of pixel electrode groups formed of a series of pixel electrodes arrayed in at least one direction of the row direction and the column direction;

and wherein a plurality of line forming regions are formed between adjacent pixel electrode groups of said plurality of pixel electrode groups;

and wherein at least two lines selected from at least one electric power line of said plurality of electric power lines, at least one scan line of said plurality of scan lines, and at least one data line of said plurality of data lines, are formed in at least one line forming region of said plurality of line forming regions.